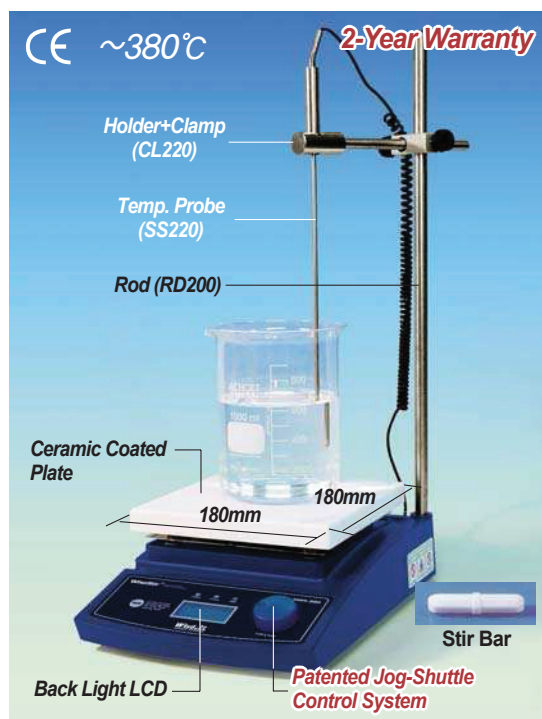


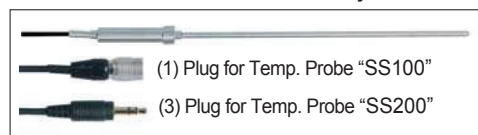
“witeg” WiseStir® MSH-D Digital Hotplate Stirrer, Ceramic-Coated Plate, up to 380 °C, ±0,3 °C
with Digital Feedback Control, Accurate Temp. Control, 180 × 180mm- or 260 × 260mm- Plate, 80 ~ 1.500 rpm



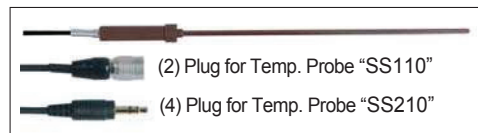
180 × 180mm Plate-type Digital Precise Hotplate
“MSH-20D” Package-set



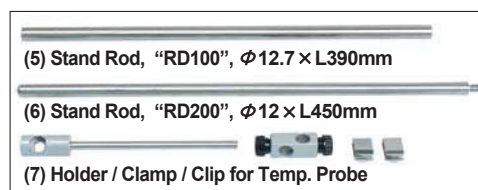
180 × 180mm Plate-type Digital Precise Hotplate
“MSH-30D” Unit only



External/Direct Contact Temp. Probe



External/Direct Contact Temp. Probe, Teflon Coated



※ You will find matching beakers and flasks in our general catalogue at following pages : 33, 34, 293–296.
※ You will find matching stirring bars in our general catalogue at following pages : 362, 363.

■ **Digital Feedback Control by High-Performance Microprocessor**
■ **Patented Jog-Shuttle Control System** ■ **CE Certified**

- * Excellent for Sample Drying and most General Lab Heating Applications
- * User's Self-Compensation Function : to Control Difference between Real Temp. and Indicated Temp. (±20,0°C)
- * Accurate Temp. Control of the Sample in the Vessel using PT100 Sensor (optional)
- * Storage Function for the set Values : Temp. and Timer
- * Locking Mode Supported for Experimental Safety (Input to Jog-Shuttle can be Disabled)
- * Superior Temperature Uniformity : less than 10% on the Plate at Ambient Temperature

Specification

Model		180 × 180mm Plate-type “MSH-20D”	260 × 260mm Plate-type “MSH-30D”
Material	Body	Powder Coated Aluminum	Powder Coated Steel
	Plate	Ceramic Coated Aluminum (Chemical / Acid Resistance, Easy to Clean)	
Stirring Capa. & Motor Rating		Max. 20 Lit., 9 / 4 W	
Speed & Control Resolution		80 ~ 1.500 rpm, 5 rpm	
Temp. Range & Accuracy		Max. 380°C, ± 0,3°C at Set Temperature (Over 70°C)	
Temp. Resolution		0,1 °C-Display, 0,5 °C-Control	
Temp. Uniformity		Specially Designed Heating Module : Temp. Difference 10% less	
Heating Power/Consumption		600W	1,2 kW
Timer & Alarm		99hr 59min (with Continuous run.), Error status & Timer-end	
Display		Digital LCD Display with Back-Light Function	
Controller		Digital Feedback Controller with Jog Shuttle Switch (Turn+Push)	
Stirring Bar		3cm bar-included, Usable : up to 5cm bar	
Safety Circuit		Over Temp. Protection	
Permissible Temp. & RH %		Ambient +5 ~ 50°C, 85% RH	
Dimension & Weight		206 × 307 × h99mm, 3,3kg	286 × 387 × h99mm, 3,5kg
Packing Size & Gross Weight		400 × 280 × h200mm, 5 kg	430 × 320 × h200mm, 5 kg
Power plug type		Hybrid E+F	
Power Supply*		AC 230V, 1N~, 50/60Hz	

* Other Specifications are available upon Customer's Request.

Ordering Information

- * “MSH-20D” Package-set : Complete with ① Hotplate Stirrer Unit, ② : “SS200” PT100 External / Direct Contact Temp. Probe, ③ “RD200” Stainless steel Support Rod φ 12 × L450mm, ④ “CL220” Holder + Clamp for External Temp. Probe
- * “MSH-30D” Package-set : Complete with ① Hotplate Stirrer Unit, ② : “SS100” PT100 External / Direct Contact Temp. Probe, ③ “RD100” Stainless steel Support Rod φ 12 × L390mm, ④ “CL220” Holder + Clamp for External Temp. Probe

With 180 × 180mm Plate-type, “MSH-20D” Package-set & Unit

- DH.WMH03021 180 × 180mm Plate-type, Package-set, 230V
- DH.WMH03020 , Unit only, 230V, with stir bar

With 260 × 260mm Plate-type, “MSH-30D” Package-set & Unit

- DH.WMH03023 260 × 260mm Plate-type, Package-set, 230V
- DH.WMH03022 , Unit only, 230V, with stir bar

Additional Function Accessories

- DH.WHP503020 (1) External / Direct Contact Temp. Probe, “SS100”, PT100, for HP-30D, MSH-30D and SMHS Probe φ 4 × L250mm, Cable L190cm
- DH.WHP503021 (2) External / Direct Contact Temp. Probe, “SS110”, PT100, Teflon Coated, for HP-30D, MSH-30D, SMHS Probe φ 4 × L250mm, Cable L190cm
- DH.WHP503030 (3) External / Direct Contact Temp. Probe, “SS200”, PT100, for HP-20D, MSH-20D, Probe φ 4 × L250mm, Cable L190cm
- DH.WHP503031 (4) External / Direct Contact Temp. Probe, “SS210”, PT100, Teflon Coated, for HP-20D, MSH-20D Probe φ 4 × L250mm, Cable L190cm
- DH.WHP503011 (5) Stand Rod, “RD100”, Stainless Steel, φ 12,7 × L390mm for HP-30A/30D, MSH-30A / 30D, none Screw
- DH.WHP503036 (6) Stand Rod, “RD200”, Stainless Steel, φ 12 × L450mm for HP-20A / 20D, MSH-20A / 20D, MSH-50A / 55A, MSH-50D / 55D and SMHS, 1,5p Screw
- DH.WHP503012 (7) Holder/Clamp/Clip, “CL220”, for Temp. Probe